

```
//[3n+1問題/The 3n+1Problem]
#define IN "P0205IN.txt"
#define OUT "P0205OUT.txt"
/*****
#include <iostream>
#include <time.h>
using namespace std;
void redir(void);
/*****
/* Work Space*/

/*****
int main(void)
{
    redir(); //redirection
/*****
/* Work Space*/
    int n, count;
    long long nLong;

    while(scanf("%d", &n) == 1){
        nLong = n; //promotion rule

        count = 0;
        while(nLong > 1){
            ++count;
            if(nLong % 2 == 1){
                nLong = nLong*3 + 1;
            }else{
                nLong /= 2;
            }
        }
        printf("%d\n", count);
    }
/*****
    freopen("CON", "r", stdin); //取消重新導向
    freopen("CON", "w", stdout);

    printf("Time used = %.2f\n", (double)clock()/CLK_TCK); //傳回程式目前為止執行的時間

    system("pause");
    return 0; //the end...
}

void redir(void)
{
    freopen(IN, "r", stdin);
    freopen(OUT, "w", stdout);
}
/*****
/* Work Space*/
```